

## **AMENDMENTS TO THE CLAIMS:**

Claims 106-136 are canceled without prejudice or disclaimer. Claims 137-173 are added. The following is the status of the claims of the above-captioned application, as amended.

Claims 1-136 (Canceled).

Claim 137 (New). An isolated variant of a laccase, wherein the variant has laccase activity and has the amino acid sequence of SEQ ID NO: 10 except for one or more of the following mutations:

- (a) H93E;
- (b) H95E;
- (c) D106A, D106F, D106I, D106L, D106P, D106V, D106W, or D106Y;
- (d) A108F, A108I, A108L, A108P, A108W, or A108Y;
- (e) N109A, N109D, N109F, N109I, N109L, N109P, N109Q, N109V, N109W, or N109Y;
- (f) T428A, T428F, T428I, T428L, T428P, T428V, T428W, or T428Y;
- (g) L500F, L500I, L500W, or L500Y;
- (h) A506E;
- (i) S510A, S510F, S510I, S510L, S510P, S510V, S510W, or S510Y;
- (j) G511F, G511I, G511L, G511P, G511V, G511W, or G511Y; or
- (k) G514A, G514F, G514I, G514L, G514P, G514V, G514W, or G514Y.

Claim 138 (New). The variant of claim 137, which comprises H93E.

Claim 139 (New). The variant of claim 137, which comprises H95E.

Claim 140 (New). The variant of claim 137, which comprises D106A, D106F, D106I, D106L, D106P, D106V, D106W, or D106Y.

Claim 141 (New). The variant of claim 137, which comprises A108F, A108I, A108L, A108P, A108W, or A108Y.

Claim 142 (New). The variant of claim 137, which comprises N109A, N109D, N109F, N109I, N109L, N109P, N109Q, N109V, N109W, or N109Y.

Claim 143 (New). The variant of claim 137, which comprises T428A, T428F, T428I, T428L, T428P, T428V, T428W, or T428Y.

Claim 144 (New). The variant of claim 137, which comprises L500F, L500I, L500W, or L500Y.

Claim 145 (New). The variant of claim 137, which comprises A506E.

Claim 146 (New). The variant of claim 137, which comprises S510A, S510F, S510I, S510L, S510P, S510V, S510W, or S510Y.

Claim 147 (New). The variant of claim 137, which comprises G511F, G511I, G511L, G511P, G511V, G511W, or G511Y.

Claim 148 (New). The variant of claim 137, which comprises G514A, G514F, G514I, G514L, G514P, G514V, G514W, or G514Y.

Claim 149 (New). A detergent composition comprising the variant of claim 137 and a surfactant.

Claim 150 (New). An isolated variant of a laccase, wherein the variant has laccase activity and has the amino acid sequence of SEQ ID NO: 10 except for a substitution at one or more of the following positions:  
185, 187, 189, 191, 193, 234, 235, 236, 269, 293, and 294.

Claim 151 (New). The variant of claim 150, which comprises a substitution at position 185.

Claim 152 (New). The variant of claim 150, which comprises a substitution at position 187.

Claim 153 (New). The variant of claim 150, which comprises a substitution at position 189.

- Claim 154 (New). The variant of claim 150, which comprises a substitution at position 191.
- Claim 155 (New). The variant of claim 150, which comprises a substitution at position 193.
- Claim 156 (New). The variant of claim 150, which comprises a substitution at position 234.
- Claim 157 (New). The variant of claim 150, which comprises a substitution at position 235.
- Claim 158 (New). The variant of claim 150, which comprises a substitution at position 236.
- Claim 159 (New). The variant of claim 150, which comprises a substitution at position 269.
- Claim 160 (New). The variant of claim 150, which comprises a substitution at position 293.
- Claim 161 (New). The variant of claim 150, which comprises a substitution at position 294.
- Claim 162 (New). A detergent composition comprising the variant of claim 150 and a surfactant.
- Claim 163 (New). An isolated variant of a laccase, wherein the variant has laccase activity and has the amino acid sequence of SEQ ID NO: 10 except for a substitution at one or more of the following positions:  
185, 187, 189, 191, 193, 234, 235, 236, 269, 293, and 294; and  
a substitution at one or more of the following positions:  
186, 188, 190, 192, and 194.
- Claim 164 (New). The variant of claim 163, which comprises a substitution at position 186.
- Claim 165 (New). The variant of claim 163, which comprises a substitution at position 188.
- Claim 166 (New). The variant of claim 163, which comprises a substitution at position 190.

Claim 167 (New). The variant of claim 163, which comprises a substitution at position 192.

Claim 168 (New). The variant of claim 163, which comprises a substitution at position 194.

Claim 169 (New). A detergent composition comprising the variant of claim 163 and a surfactant.

Claim 170 (New). An isolated variant of a laccase, wherein the variant has laccase activity and comprises one or more of the following mutations:

- (a) H93E;
- (b) H95E;
- (c) D106A, D106F, D106I, D106L, D106P, D106V, D106W, or D106Y;
- (d) A108F, A108I, A108L, A108P, A108W, or A108Y;
- (e) N109A, N109D, N109F, N109I, N109L, N109P, N109Q, N109V, N109W, or N109Y;
- (f) T428A, T428F, T428I, T428L, T428P, T428V, T428W, or T428Y;
- (g) L500F, L500I, L500W, or L500Y;
- (h) A506E;
- (i) S510A, S510F, S510I, S510L, S510P, S510V, S510W, or S510Y;
- (j) G511F, G511I, G511L, G511P, G511V, G511W, or G511Y; or
- (k) G514A, G514F, G514I, G514L, G514P, G514V, G514W, or G514Y,

wherein the laccase has the amino acid sequence of SEQ ID NO: 10 and wherein the variant has a homology of at least 90% with the laccase of SEQ ID NO: 1.

Claim 171 (New). A detergent composition comprising the variant of claim 170 and a surfactant.

Claim 172 (New). An isolated variant of a laccase, wherein the variant has laccase activity and comprises a substitution at one or more of the following positions:

185, 187, 189, 191, 193, 234, 235, 236, 269, 293, and 294,

wherein the laccase has the amino acid sequence of SEQ ID NO: 10 and wherein the variant has a homology of at least 90% with the laccase of SEQ ID NO: 1.

Claim 173 (New). A detergent composition comprising the variant of claim 172 and a surfactant.